

DEVIATION INVESTIGATION REPORT

TITLE <u>1/2 B - Diesel Fire Pump Inoperable</u>												PAGE 1 OF 0 1			
EVENT DATE			DVR				REPORT DATE			OPERATING MODE		4			
MONTH	DAY	YEAR	STA	UNIT	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	MONTH	DAY	YEAR	POWER LEVEL		0 9 0		
0 1	1 8	8 5	0 4	0 1	8 5	0 0 3	0 0	0 2	1 4	8 5					
CONTACT FOR THIS DIR															
NAME <u>D. Wilgus</u>										TELEPHONE NUMBER			EXT		
										AREA CODE		3 0 9	6 5 4 - 2 2 4 1	1 8 0	
COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT															
CAUSE	SYSTEM	COMPONENT	MAN FAC TURE	REPORTABLE TO NRRDS		CAUSE	SYSTEM	COMPONENT	MANUFAC TURE	REPORTABLE TO NRRDS					
B	K P	R L Y	M 1 2 9	N											
SUPPLEMENTAL REPORT EXPECTED											EXPECTED SUBMISSION DATE		MONTH	DAY	YEAR
<input type="checkbox"/> YES (If yes, complete EXPECTED SUBMISSION DATE) <input checked="" type="checkbox"/> NO															

DEVIATION DESCRIPTION

On January 18, 1985 at 9:45 pm, unit One was in the RUN mode at 90% power and Unit Two was shutdown. While performing the monthly operating surveillance of the Diesel Fire Pumps (QOS-4100-1), the 1/2B Diesel Fire Pump would not start. Station electricians found a failed starting relay on one set of batteries. The Fire Pump could be started on the other set of batteries, but it was conservatively declared inoperable until a new relay is installed. This report is being submitted to comply with the requirements of Technical Specification 3.12.B.2, due to the fact that a replacement relay could not be procured within 7 days. The redundant Diesel Fire Pump (1/2A) is fully operable and capable of supplying adequate fire protection. Service water can also be used as a backup source of fire suppression water through the Service Water Supply Valve MO-3906. Furthermore, a portable fire pump is available if needed for emergency fire water. Therefore, the redundancy in the Fire Suppression Water System is maintained at all times.

CAUSE

The cause of this deviation is the inability to procure a replacement starting relay in the 7 days mandated by Technical Specifications. The relay is supplied by Cummins Engine Company and manufactured by Master Control Systems Inc. The failed relay is a Model C, 24 VDC Relay, serial number 4031.

CORRECTIVE ACTION

The starting relay will be replaced when it is received under Work Request number Q39906. No other action is considered necessary since there have been no other failures of this type. The monthly operability surveillance is considered adequate in detecting such problems in the future. The most recent deviation of this type on the Diesel Fire Pumps occurred on October 24, 1983 and was documented in Deviation Report number 4-1-83-93.

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 PDR ADOCK 05000354
 S PDR

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NJK-85-51

February 14, 1985

U. S. Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555

Reference: Quad-Cities Nuclear Power Station
Docket Number 50-254, DPR-29, Unit One

Enclosed please find Deviation Investigation Report Number
DVR 04-01-85-003, Revision 0, for Quad-Cities Nuclear Power Station.

This report is submitted to you in accordance with the require-
ments of Technical Specification 6.6.B.2.b; operation in a degraded
mode permitted by a limiting condition for operation.

Respectfully,

COMMONWEALTH EDISON COMPANY
QUAD-CITIES NUCLEAR POWER STATION

L. J. Kallivianakis

N. J. Kalivianakis
Station Superintendent

NJK:HQD/bb

Enclosure

cc B. Rybak
A. Madison
INPO Records Center
NRC Region III

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